Friday, 9/29/2006 10:44:12 AM Date: Kim Johnston User: **Process Sheet** : CROSSBOLT SPACER Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** : 28801 Job Number : 10993 **Estimate Number** : D2579 : NIA **Part Number** P.O. Number : D2579 REV D S.O. No. : NIA : 9/29/2006 **Drawing Number** This Issue : NC **Project Number** : N/A Prsht Rev. : N/A : MACHINED PARTS : D Type First Issue **Drawing Revision** : NA : 27921 Material **Previous Run** 500 Um: Each : 10/12/2006 **Due Date** Qty: Written By Checked & Approved By : Est E NG Now turned on Cobra Comment **Additional Product** Job Number: Machine Or Operation: Description: Seq. #: 1.0 M6061T6T0500W058 6061-T6 Tube .500 x.058W Comment: Qty.: 0.3762 f(s)/Unit Total: 188.1075 f(s) 6061-T6 Tube .500 x.058W Material: 6061-T6 (WW-T-700/6) or 5052-H32 (WW-T-700/4) 06/10/10 Batch M 102056 0.500 Dia x 0.058 Wall HARDINGE CNC LATHE SMALL 2.0 HARDINGE Comment: HARDINGE CNC LATHE SMALL Machine as per Folio FA245 3.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE 4.0 QC8 500 Comment: SECOND CHECK PACKAGING 1 PACKAGING RESOURCE #1 5.0 Comment: PACKAGING RESOURCE #1 Identify and Stock PB06/10/18

## **Dart Aerospace Ltd**

| W/O:    |      | WORK ORDER CH          | ANGES    |           |            | <del></del>                   |                          |
|---------|------|------------------------|----------|-----------|------------|-------------------------------|--------------------------|
| DATE    | STEP | PROCEDURE CHANGE       | Ву       | Date      | Qty        | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |      |                        |          |           |            |                               |                          |
|         |      |                        |          |           |            |                               |                          |
|         |      |                        |          | <u> </u>  |            |                               |                          |
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|         |      |                        |          |           |            |                               |                          |
| Part No |      | PAR #: Fault Category: | NCR: Yes | N) DQ     | <b>A</b> : | _ Date: <u>_</u>              | SWING                    |
|         |      |                        | QA:      | N/C Close | d:         | _ Date: _                     |                          |

| NCR: WORK ORDER NON-CONFORMANCE (NCR) |      |                   |                      |                              |                |              |                       |                          |
|---------------------------------------|------|-------------------|----------------------|------------------------------|----------------|--------------|-----------------------|--------------------------|
|                                       |      | Description of NC |                      | Corrective Action Section B  |                | Verification | Anneous               | Annroyel                 |
| DATE                                  | STEP | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Section C    | Approval<br>Chief Eng | Approval<br>QC Inspector |
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|                                       |      |                   |                      |                              |                |              |                       | ,                        |

NOTE: Date & initial all entries

Date:

Friday, 9/29/2006 10:44:12 AM

Ûser:

Kim Johnston

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: CROSSBOLT SPACER

Job Number: 28801

Part Number: D2579

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE







Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



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| Dart Ae | rospace | Ltd               |                           |                              |              |           |              |                               |                          |
|---------|---------|-------------------|---------------------------|------------------------------|--------------|-----------|--------------|-------------------------------|--------------------------|
| W/O:    |         |                   | WC                        | ORK ORDER CHANG              | ES           |           |              |                               |                          |
| DATE    | STEP    | PRO               | OCEDURE CHA               | NGE                          | Ву           | Date      | Qty          | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |         | ÷                 |                           |                              |              |           |              |                               |                          |
|         |         |                   |                           |                              |              |           |              |                               |                          |
| Part No | :       | PAR #:            | Fault Cate                | gory:                        |              |           |              |                               |                          |
| 4       |         |                   |                           | 3                            | QA:          | N/C Close | d:           | _ Date: _                     |                          |
| NCR:    | 100     |                   | WORK ORDI                 | ER NON-CONFORMA              | ANCE (NC     | R)        |              |                               |                          |
| DATE    | OTED    | Description of NC | Corrective Action Section |                              |              | Verifi    | Verification | Approval                      | Approval                 |
| DATE    | STEP    | Section A         | Initial<br>Chief Eng      | Action Description Chief Eng | Sign<br>Date | & Sect    | ion C        | Chief Eng                     | QC Inspector             |
|         |         |                   |                           |                              |              |           | e.           |                               |                          |
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|         | 6.      | (i)               |                           |                              |              |           |              |                               | i                        |

NOTE: Date & initial all entries

| DART AEROSPACE LTD             | Work Order:  | 28801       |
|--------------------------------|--------------|-------------|
| Description: Cross Bolt Spacer | Part Number: | D2579       |
| Inspection Dwg: D2579 Rev: D   |              | Page 1 of 1 |

## FIRST ARTICLE INSPECTION CHECKLIST

| X First Article Pro | ototype |
|---------------------|---------|
|---------------------|---------|

| Drawing<br>Dimension | Tolerance | Actual<br>Dimension | Accept       | Reject | Method of<br>Inspection | Comments |
|----------------------|-----------|---------------------|--------------|--------|-------------------------|----------|
| 4.070                | +/-0.030  | 4.07 1              |              |        |                         |          |
| 0.058                | +/-0.010  | 0,057               | /            |        |                         |          |
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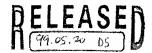
| Measured by: | A        | Audited by: | MS       | Prototype Approval: | N/A |
|--------------|----------|-------------|----------|---------------------|-----|
| Date:        | 66/10/16 | Date:       | 06/10/16 | Date:               | NIA |

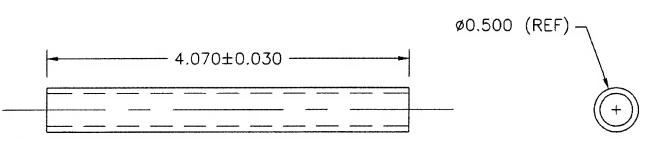
| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| Α   | 03.11.27 | New Issue | KJ/RF      | - 14     |
|     |          |           |            |          |





| DESIG | ×4-        | DRAWN BY<br>RF | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |
|-------|------------|----------------|---|
| CHEC  |            | APPROYED       | DRAWING NO. REV. D                                |
| 4     | <b>H</b> - | A.E            | D2579 SHEET 1 OF 1                                |
| DATE  |            |                | TITLE SCALE                                       |
| 99.0  | 5.19       |                | CROSS BOLT SPACER 1:1                             |
| Α.    |            | 96.09.16       | NEW ISSUE   |
| В     |            | 96.12.05       | 0.065 WALL WAS 0.035 WALL                         |
| С     |            | 97.02.21       | 0.058 WALL WAS 0.065 WALL                         |
| D     |            | 99.05.19       | 4.070 LENGTH WAS 4.100 (TSR A1095)                |





MATERIAL: 6061-T6 (WW-T-700/6) OR 5052-H32 (WW-T-705H0F)OPY

0.500 DIA × 0.058 WALL

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT

WITHOUT NOTICE

NO 28 SE